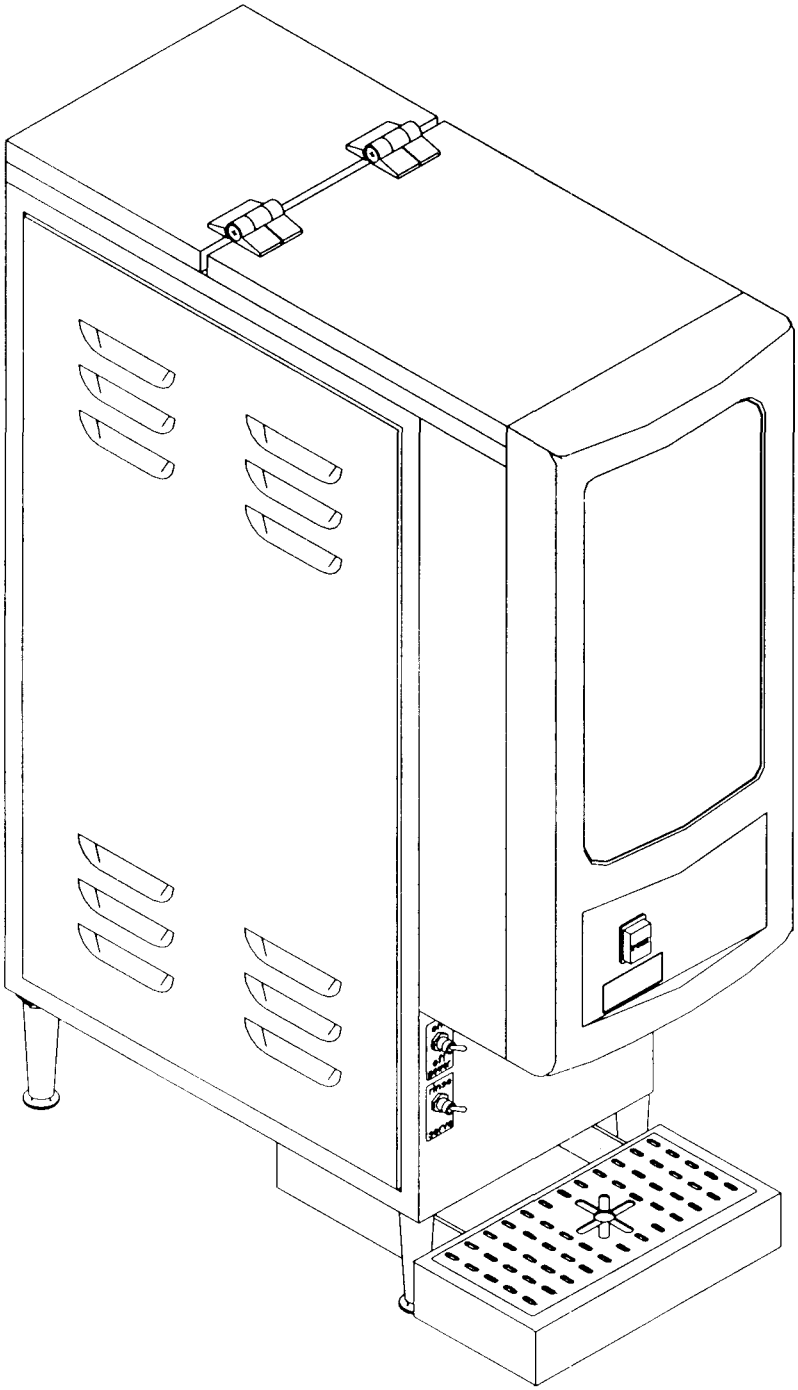
HOT CAPPUCCINO & COFFEE DISPENSER



SERIES
GB1K
OCS-3

OPERATION MANUAL

Specifications

Installation &

Operating instructions

Adjustments

Care & Maintenance

Components Illustration

Parts Identification

Wiring Diagram

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NC66A 12W96

Electrical Specifications

Model No.	Volts	Phase	Hz	Kilo Watts	Number of Heaters	Amps	Receptacle Nema No.	Circuit Breaker
GB1K,	120V	1	60	1.8	1	15	5-15R	15A
GB1K	120/240	1	50/60	3.0	1	15	L14-20R**	20A
GB1K	240	1	50/60	3.0	1	15	L6-20R*	20A

120V, 1.8 KW, 15A, Nema 5-15R standard on all models; 3.0 KW, 120/240V units available

** 120/240V, 3 pole, 4 wire grounding type Twist-Plug Receptacle.

For 240V units. Use L6-20R, 2 pole, 3 Wire Twist-Plug Receptacle. For Wiring, refer to Wiring Diagrams.

See Electrical Data Label attached to the back of the unit for proper voltages, breaker sizes and electrical outlet requirements for each model number listed.

Mechanical Specifications

Model #	# of Hoppers	Hopper Capacity (lb.)	Width (in.)	Depth (in.)	Height (in.)	Tank (gal.)	Burst Capacity	Lit Display Area (W x H) sq. in	Ship Weight (lb.)
GB1K-LD	1	8	8.5	20.5	27	1.5	15	(6.75X13.5)91	70

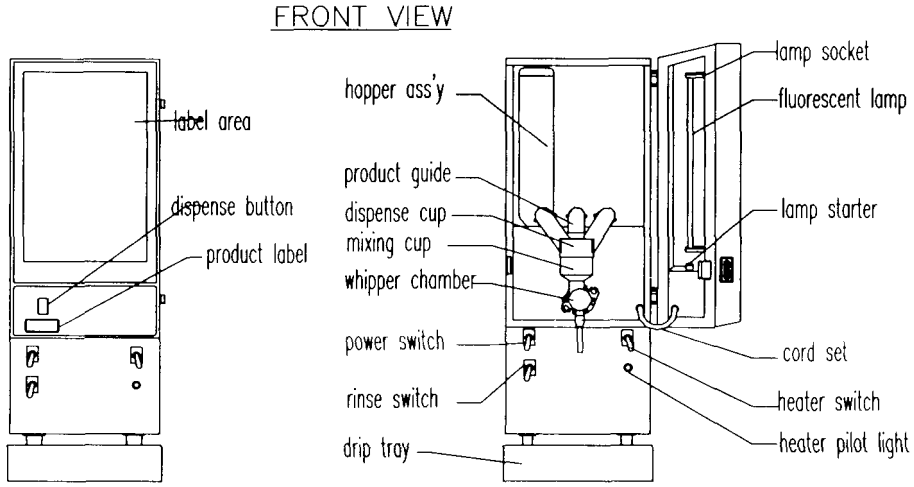
Height: Add an additional 4" when installing with 4" legs.

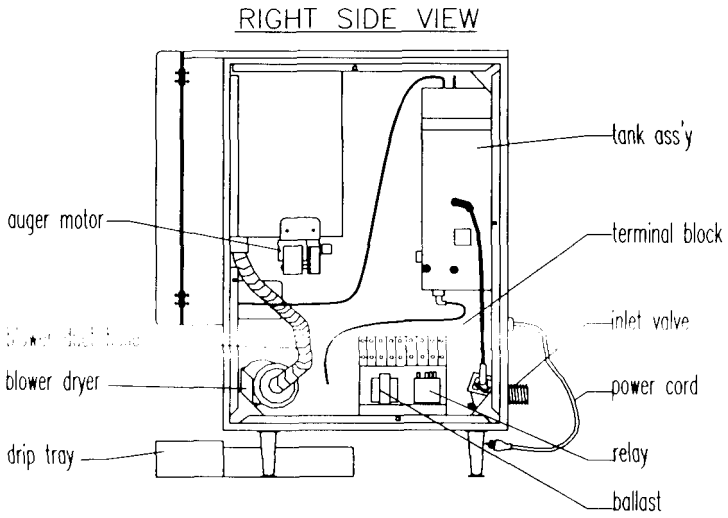
Add an additional 14" min. for water bottle and additional height space to invert bottle over the top.

*Burst Capacities - Max. number of drinks dispensable with available hot water - based on 6 oz. cups.

** Add 2" for line cord and valve fitting clearance.

Plumbing: ¼" water line required.





INSTALLATION REQUIREMENTS:

This equipment is to be installed to comply with the applicable federal, state, or local plumbing codes having jurisdiction.

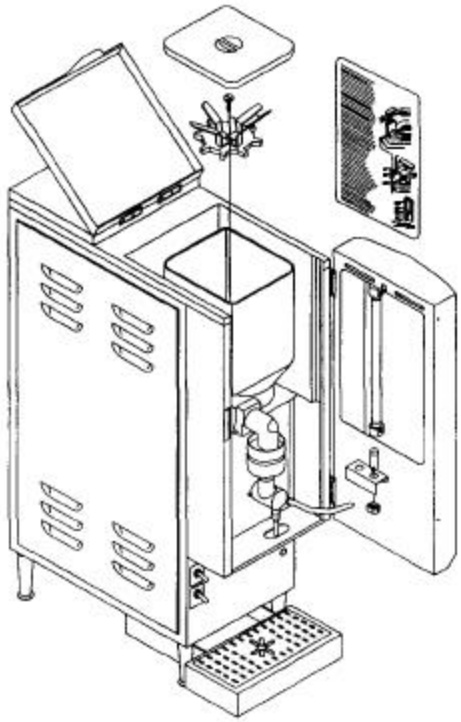
In addition:

1. A quick disconnect water connection or enough extra coiled tubing (at least the depth of the unit) so that the machine can be moved for cleaning underneath.
2. An approved back flow prevention device, such as a double check valve to be installed between the machine and the water supply.

INSTALLATION & PRIMING:

1. **Flush inlet water line** thoroughly before connecting. If pipe sealant is necessary, Teflon tape is commended.
2. **Connect water line** to the 1/4" flare fitting located at rear of the unit. **A shutoff valve in the water supply line is advisable.**
3. **Turn on water.** Check water line and fittings for leaks.
4. **Put HEATER Switch OFF.**
5. **Plug the power cord** into a grounded 120 volt, 60 Hz 15 Amp outlet, Single use. It will take 2 to 4 minutes to fill the tank.
6. **Put RINSE Switch ON.**
7. **Press Dispense Button until water flows out of the dispense nozzle (6 to 7 min.). Tank will fill up.**
8. PUT RINSE Switch OFF.
9. **Put HEATER Switch ON** and allow 10 to 15 minutes for water to reach brew temperature.
10. Fill hopper with DRY* powdered product, while waiting for water in tank to heat up. See filling instructions.
11. **Push Dispensing Button** and check the operation of the hopper. A grinding noise will be heard if not properly engaged.
12. **Push Dispensing Button** and check drink taste. If adjustments are needed, see "Water Flow Adjustments".

NORMAL DAILY DISPENSER OPERATION



FILLING

1. Open Front Door and lift Top Cover.
2. Fill hopper to desired level with DRY powdered mix.
   ***Moist product will** clog **hopper and the unit will not operate properly.**
   ***Never REFRIGERATE powdered product.**
   Do not overfill or pack product down when filling.
3. Close Top Cover and Door.

DISPENSING

1. Place cup under mixing chamber spout.
2. **a) For Manual Units (without Timer):** Press and hold push button until cup is approximately 2/3 full.
   b) For Automatic Units (with Timer):
   Press and release push button. Cup will fill to size set on Timer.
3. Remove cup when flow from mixing chamber has stopped completely.

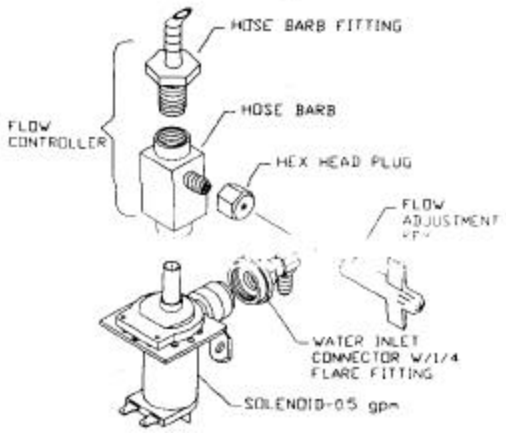
WATER FLOW and DRINK STRENGTH ADJUSTMENTS

The unit is factory adjusted to dispense as follows:

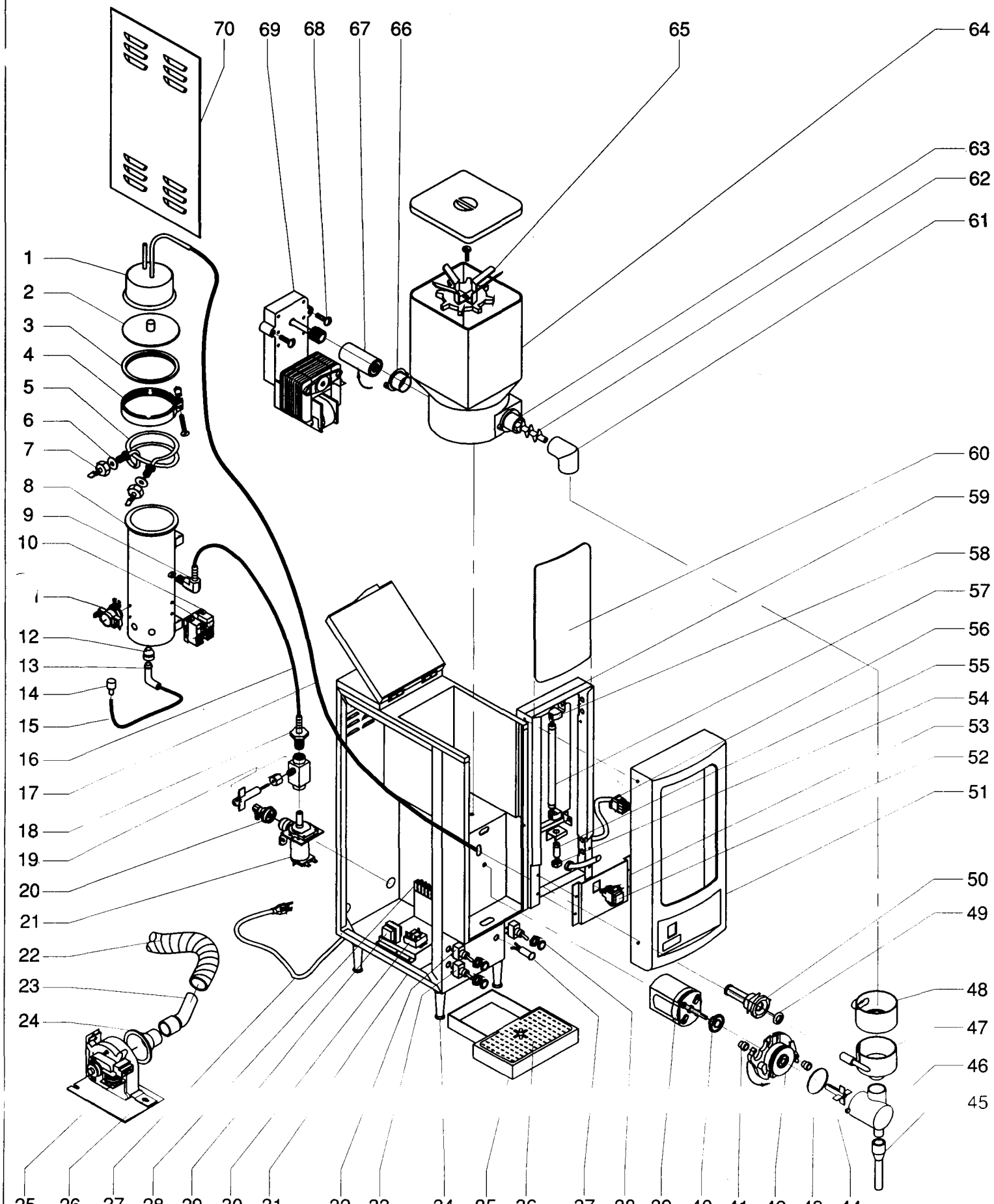
Water Flow Rate :	**1.2 oz./sec.**
Powder/Product Flow Rate:	**4 oz./sec.**
Corresponding Gram Throw Rate:	**4 gr. product per 1.2 oz. of water.**

To increase or decrease Drink Strength, proceed as follows:

1. Remove right hand side Panel of unit. (looking from the front).
2. Locate Flow Adjustment Key inside unit mounted above water valve.
3. Engage Flow Adjustment Key into Flow Controller and rotate counterclockwise (CCW) to decrease and clockwise (CW) to increase drink strength. When making strength adjustments, do not turn
   Adjustment Key more than 1/8" turn at a time without checking drink strength.
4. Return Adjustment Key back into keyholder. If after maximum adjustment.



DESCRIPTION AND LOCATION OF COMPONENTS GB1K



ITEM NO:	DESCRIPTION	PART NUMBERS	QTY
1	TANK TOP ASS'Y	97127	1
2	TANK BAFFLE ASS'Y	97128	1
3	TANK BAFFLE SEAL	20039	1
4	TANK CLAMP ASS'Y	97131	1
5	HEATER ELEMENT 1750W 120V	G0140	1
6	WASHER, FOR HEATER ELEMENT	07059	2
7	NUT, FOR HEATER ELEMENT	03051	2
8	TANK WELDMENT ASS'Y	97293	1
9	ELBOW, MALE 1/8 NPT, WATER INLET FITTING	K330A	1
10	THERMOSTAT	59016	1
11	HI-LIMIT (TEMPERATURE SAFETY GUARD)	59024	1
12	DIRECT MOUNTING SEAL / SILICONE FITTING (.461 ID)	M461A	1
13	DRAIN TUBE	K525A	1
14	PLUG, SILICONE , FOR DRAIN HOSE	M391A	1
15	DRAIN HOSE	M483A	1
16	SILICONE HOSE -TANK WATER INLET TO WATER FLOW CONTROL - VALVE	M483A	1
17	SILICONE HOSE -TANK TOP TO DISPENSE GROMMET	M550A	1
18	HOSE BARB FITTING	K435C	1
19	ADJUSTER VALVE ASS'Y #H5107 NPT (ADJUSTMENT KEY INCLUDED)	K415A	1
20	HOSE NUT ASS'Y/ WATER INLET	K178A	1
21	SOLENOID/ WATER INLET VALVE	L477A	1
22	BLOWER DUCT HOSE 16" x (1 " DIA)	CD 107	1
23	ELBOW INSERT	CD 108	1
24	ELBOW CUP	CD 108	1
25	FAN / BLOWER DRYER ASS'Y	CD56A	1
26	MOUNTING CLIP (VENT. MOTOR)	RA67A	1
27	POWER/ ELECTRICAL CORD	C035A	1
28	TERMINAL BLOCK 120V OR 240V	B117A OR B116A	1
29	BALLAST	CE221	1
30	RELAY, (NORMALLY OPEN) OR TIMER (OPTIONAL) 1 20V	B129A OR 58017	1
31	GB1K FRAME WELDMENT ASS'Y	RC85Q	1
32	POWER SWITCH (120V) OR (120/240 V)	L069A OR L299A	1
33	RINSE SWITCH	L446A	1
34	LEGS (SET OF 4)	M172A	1
35	DRIPTRAY PAN metal	RM21Q	1
36	DRIP TRAY GRILL	RL78A	1
37	HEATER INDICATOR LIGHT (amber)	C002A	1
38	HEATER SWITCH, 30A SPST (120V) OR (120/240V)	L299A	1
39	WHIPPER MOTOR short shaft	CD75A	1
40	SLINGER DISC	CD 126	1
41	CHAMBER MOUNTING GROMMET	CD66A	1
42	CHAMBER MOUNT	CD65A	1
43	"0" RING # 125 (used w/ grommet)	M379A	1
44	WHIP BLADE	CD64A	1
45	EXTENSION TUBE	M467A	1
46	WHIP CHAMBER	CD63A	1
47	MIXING CHAMBER	CD62A	1
48	DISPENSE CUP	CD61A	1
49	"O" RING ((#110) (used w / socket CD67A)	M378A	1
50	MIXING BOWL SOCKET	CD67A	1
51	DOOR PLASTIC COVER/PANEL. BLACK	M450A	1
52	DISPENSE BUTTON / SWITCH	L455A	1
53	BRACKET, DOOR SWITCH PANEL	RF77A	1
54	STARTER BASE (for lamp inside door)	B128A	1
55	STARTER, TYPE FS - 5, 5-6-8 WATT	L396A	1
56	DOOR HARNESS ASSY	CF19A	1
57	BULB, TYPE F8T5/CW	CE76A	1
58	LAMP HOLDER	CE220	1
59	300R WELDMENT ASSEMBLY, less components	RF73Q	
60	LABEL PANEL, CLEAR	M464A	2
61	PRODUCT GUIDE	CD70A	1
62	NYLON AUGER	CD130	1
63	AUGER BUSHING, FRONT	CD102	1
64	HOPPER ASS'Y W/COVER (SQUARE 8 LB)	CD99A	1
65	AGITATOR	CD141	1
66	AUGER BUSHING, BACK	CD138	1
67	NUT (FLANGE)	CD136	1
68	SCREW, FOR AUGER MOTOR	P443A	2
69	AUGER MOTOR (90 RPM)	CD150	1
70	SIDE PANELS	R046A	2

* Recommended spare parts

MAINTENANCE INSTRUCTIONS (See Illustration A):

LIT DISPLAY LAMP AND STARTER REPLACEMENT

1. **To replace the lamp,** first remove the upper inside door panel. Turn the lamp and pull it out of the lamp holder, then place the new lamp into the lamp holder and turn it until it snaps into position.
2. **To replace the starter,** remove the upper inside door panel, turn the starter slightly counter-clockwise and take it out of the starter base. To install the new starter, snap the starter into the starter base and turn it slightly clockwise into position.

RECOMMENDED DAILY CLEANING

1. Turn the power switch to OFF.
2. Remove the drip tray with grill and empty the contents. Wash with mild dishwasher detergent and dry.

Cleaning the Hopper

1. Open the cabinet door and raise the top cabinet lid.
2. Take the hopper out of the cabinet.
3. Pull off the elbow chute and remove the hopper cover.
4. Rinse each item thoroughly.
5. Dry all items and reassemble.

Filling the Hopper

1. Open the cabinet door, raise the top cabinet lid.
2. Fill the hopper with the correct product. **Note: The Hopper can also be removed for filling.**
3. Reposition hopper in the hopper compartment, making sure the hopper is properly seated.

Flushing the Whipper Chamber

1. Turn the POWER switch and RINSE switch to ON.
2. Place a container under dispense nozzle and push the Dispense Button.
   Note: On manual dispense machines, push and hold the dispense buttons for 10 seconds.
3. Turn the Rinse switch back to OFF.

Removing and Cleaning the Cappuccino Whipper Chamber

1. Remove the dispense cap by pulling it forward and at the same time twisting it clockwise.
2. Pull the mixing bowl out of the mixing bowl socket.
3. Twist the whipping chamber clockwise and pull it off the mounting plate.
4. Pull the Whipper blade off the motor shaft. Notice the flat keyway on the shaft and the matching keyway inside the Whipper blade shaft. **It is important that these two keyways are lined up when re-assembling the components.**
5. Twist the mounting plate clockwise and pull it off the motor shaft.
6. Slip off the o-ring from the Whipper chamber mounting plate and clean o-ring and o-ring seat.

Removing and Cleaning Mixing Chambers

1. Remove the dispense cap.
2. Pull the mixing bowl out of the mixing bowl socket.
3. Take out the extension tubes.
4. Rinse thoroughly.

QUICK START-UP PROCEDURE

1. **Flush inlet water line** thoroughly before connecting. If pipe sealant is necessary, Teflon tape is commended.
2. **Connect water line** to the 1/4" flare fitting located at rear of the unit. **A shutoff valve in the water supply line is advisable.**
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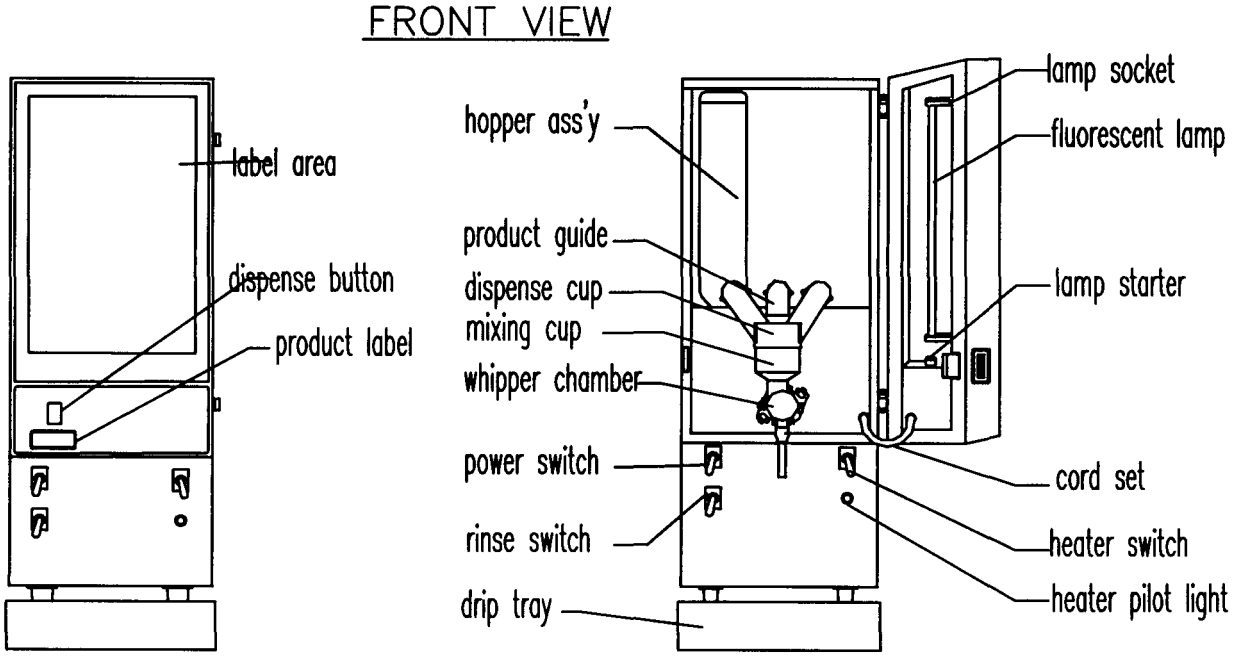
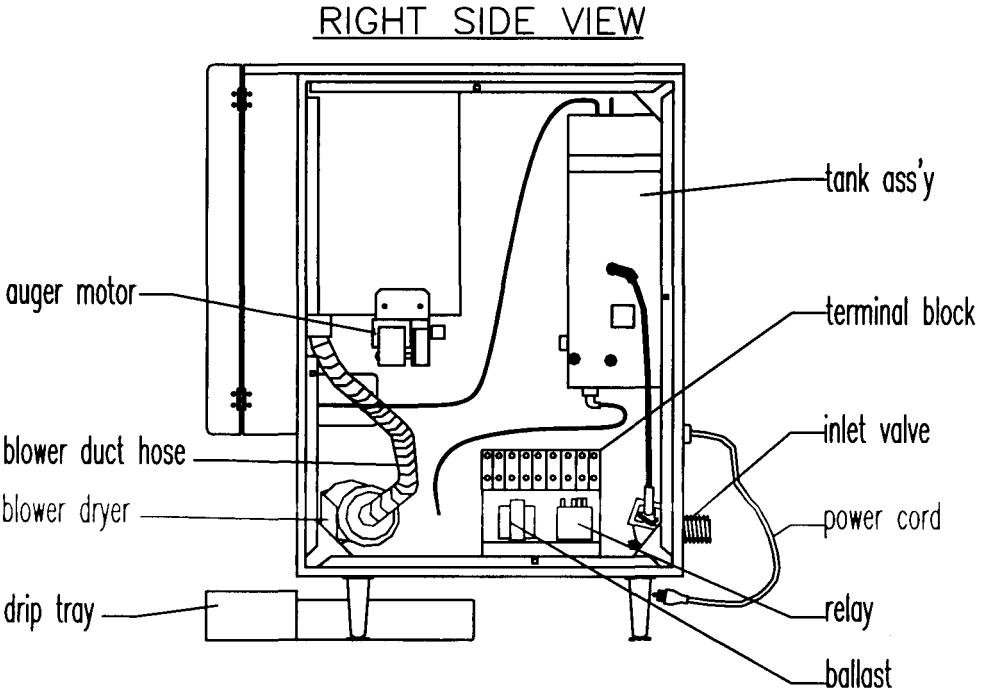
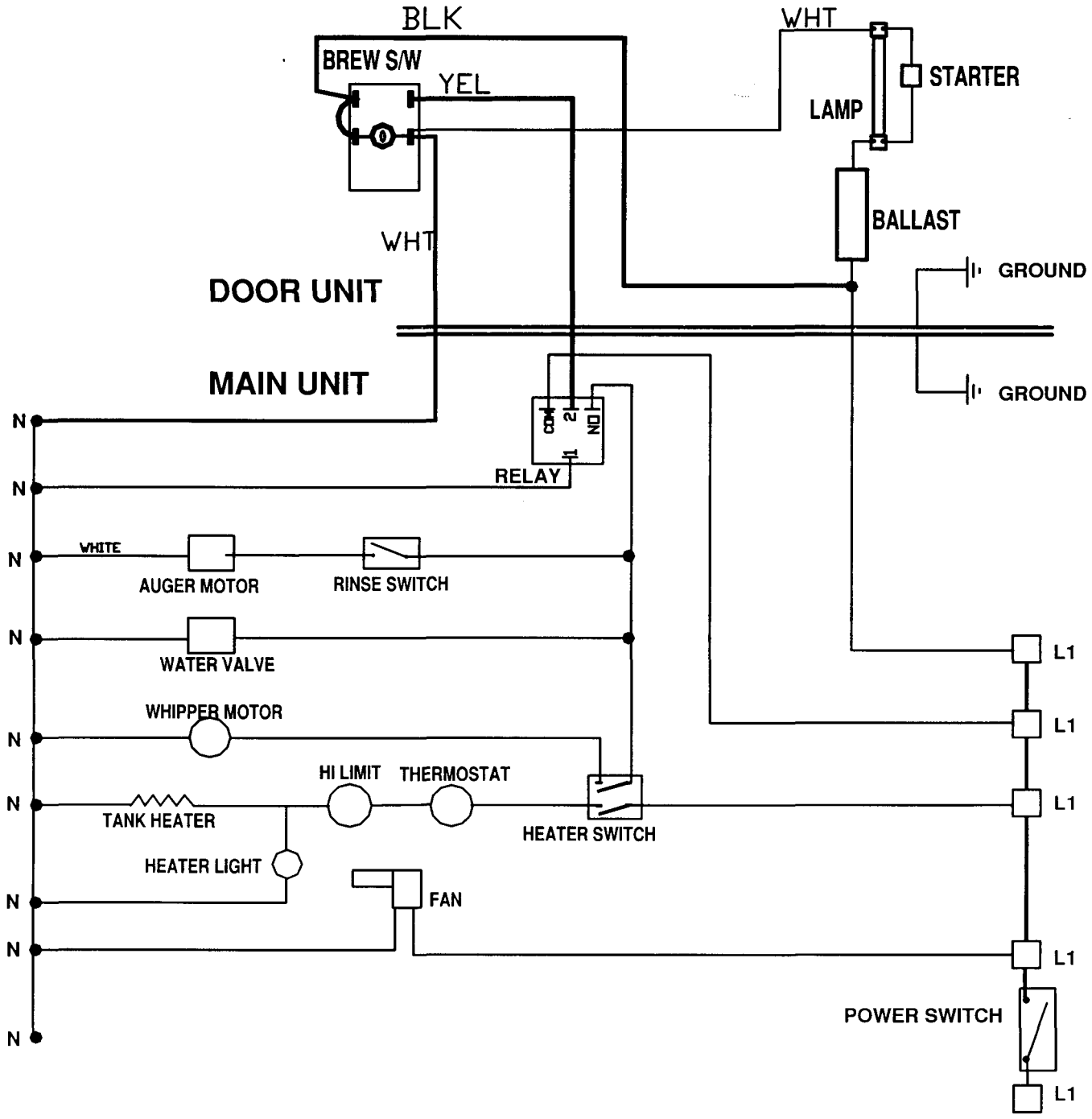




NE03A

REQUIRES AWG 18
EXCEPT WHERE NOTED



REV	BY	DATE	DESCRIPTION	APPROVED BY	DATE	PART NO. NE03A
MATERIAL: N/A				DRAWN BY C.G.	DATE 6/12/97	SCALE N T S

CECILWARE CORPORATION 43-05 20 AVE. L.I.C. NY 11105

TITLE: ELECTRICAL DIAGRAM GB1K [120V, 1.7KW, 1 PH, 2 WIRES + GROUND] [W/ICAP ROUND TANK] REV. -

ELECTRICAL WIRING DIAGRAM

GB1K-LD 120V SINGLE PHASE
MANUAL